Federal Communications Commission (FCC) Radio Frequency Interference Statement Warning

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Information to the User

This equipment must be installed and used in strict accordance with the manufacturer's instructions. However, there is no guarantee that interference to radio communications will not occur in a particular commercial installation. If this equipment does cause interference, which can be determined by turning the equipment off and on, the user is encouraged to contact CognitiveTPG immediately.

CognitiveTPG is not responsible for any radio or television interference caused by unauthorized modification of this equipment or the substitution or attachment of connecting cables and equipment other than those specified by CognitiveTPG. The correction of interferences caused by such unauthorized modification, substitution or attachment will be the responsibility of the user.

In order to ensure compliance with the Product Safety, FCC and CE marking requirements, you must use the power supply, power cord, and interface cable which are sold for use with this product or which meet the following parameters:

Power Supply

UL Listed (QQGQ), Class 2 power supply with SELV (Secondary Extra Low Voltage), non-energy hazard output, LPS (limited power source), input rated 100-240 Vac, 2.0 A, 50/60 Hz, output rated 24 Vdc, 2.5 A for 60 watt unit.

Use of this product with a power supply other than the CognitiveTPG power supply will require you to test the power supply and CognitiveTPG printer for FCC and CE mark certification.

Communication Interface Cable

A shielded (360 degree) interface cable must be used with this product. The shield must be connected to the frame or earth ground connection or earth ground reference at EACH end of the cable.

Use of a cable other than described here will require that you test the cable with the CognitiveTPG printer and your system for FCC and CE mark certification.

Power Cord

A UL listed, detachable power cord must be used. For applications where the power supply module may be mounted on the floor, a power cord with Type SJT marking must be used. For applications outside the US, power cords which meet the particular country's certification and application requirements should be used.

Use of a power cord other than described here may result in a violation of safety certifications which are in force in the country of use.

Industry Canada (IC) Radio Frequency Interference Statement

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

Voluntary Control Council for Interference (VCCI) Radio Frequency Interference Statement

This is a Class B product based on the standard of the voluntary Control Council for Interference by Information Technology Equipment (VCCI). If this equipment is used in a domestic environment, radio disturbance may arise. When such trouble occurs, the user may be required to take corrective actions.

Disclaimer

Information in this document is subject to change without notice. Consult your CognitiveTPG sales representative for information that is applicable and current. CognitiveTPG reserves the right to improve products as new technology, components, software, and firmware become available.

No part of this document may be reproduced, transmitted, or translated in any form or by any means, electronic or mechanical, for any purpose without the express written permission of CognitiveTPG.

Copyright

Copyright © 2012 by CognitiveTPG, LLC.
950 Danby Road, Ithaca, New York 14850, USA. All rights reserved. Printed in USA. Property of CognitiveTPG, LLC.

Trademarks

CognitiveTPG™ is a trademark of CognitiveTPG, LLC.

Microsoft, Windows are registered Trademarks of Microsoft Corporation in the U.S.A. and/or other countries.
Inside Out Networks, Inside Out, EPIC, and Edgeport are trademarks of Inside Out Networks.
All other trademarks and registered trademarks are the property of their respective holders.

Website: http://www.CognitiveTPG.com

ColorPOS A799 Two-Color Thermal Receipt Printer Setup Guide

Thank you for selecting **CognitiveTPG Model A799** Two-Color Single Station Thermal POS Receipt Printer
STRENGTH... ENDURANCE... SPEED!

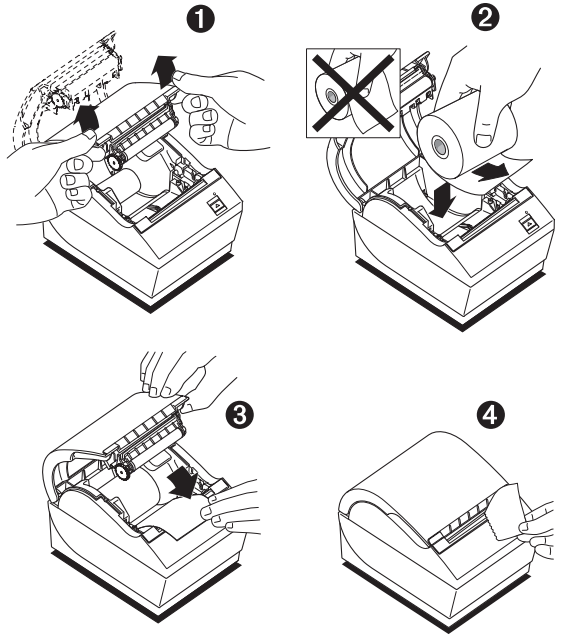
You have chosen the world's most innovative thermal receipt printer. A799 features ultra-fast printing, industry-leading durability and outstanding graphics capability.

Please review this Setup Guide and follow the prompts on the installation CD. Additional information can be found in the A799 User Guide and A799 Programmer Guide, which are included on the disk. If you have any questions, please call us at **800-732-8950** or **607-274-2500** or visit **www.CognitiveTPG.com**. Please visit the website's Warranty Registration section to register your printer and provide feedback on its quality.

Setting up the printer (Pages referenced are from the User Guide)

1 Unpack the printer, saving all packing materials for future shipping or storage (page 11).

2 Load the roll of paper (page 12). You can change the paper type used in this printer (page 24).



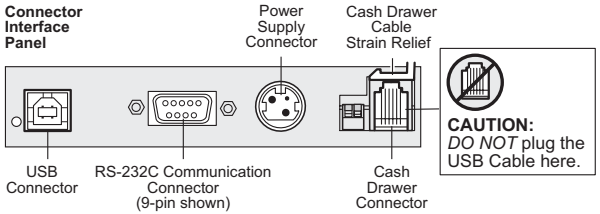
Made under one or more of the following U.S. patents: 4886381, 5579043, 5613787, 5651624, 5713678, 5752779, 5789916, 5800080, 5879090, 5887999, 5975776, 6027266, 6085973, 6089450, 6129465, 6155483, 6404452, 6486902, 6504331, 5749277, 6722754, 6739773, 6784909. Other U.S. and international patents pending.

COGNITIVETPG

3 Choose a location for the printer.

4 Connect the following cables based on your configuration, using a-b below.

When using USB (step "b" below), use caution to ensure the **USB cable is connected to the USB connector on the back left of the printer** and not into the cash drawer connector that is on the right back of the printer.

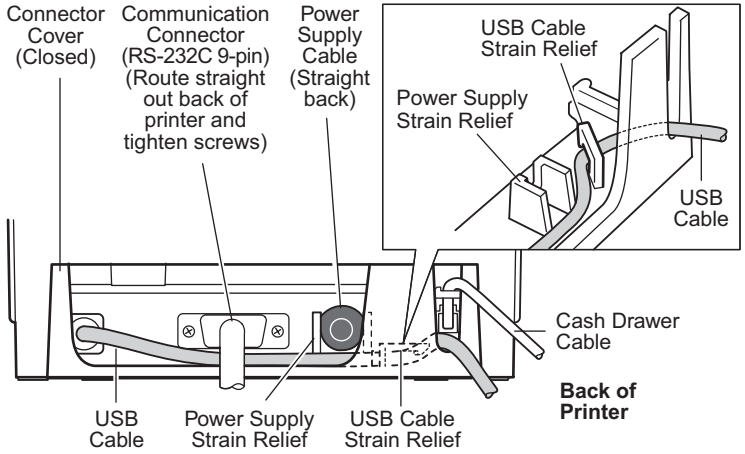


a Cash drawer (if your installation includes this feature, page 15).

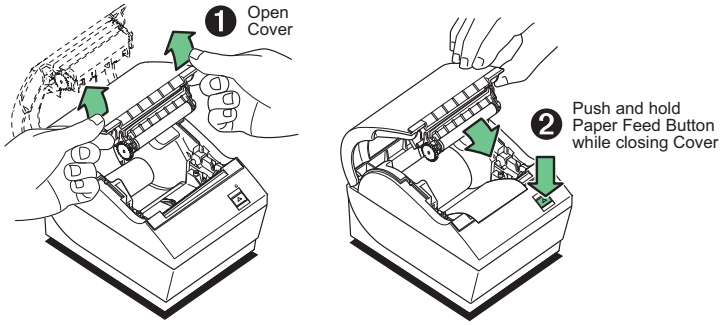
b 9-pin or 25-pin serial or USB cable (serial: page 16; USB: page 17).

c Connect the power cable (page 18).

d Route cables as shown for your setup configuration (page 19).


Connector Cover (Closed)
Communication Connector (RS-232C 9-pin) (Route straight out back of printer and tighten screws)
Power Supply Cable (Straight back)
USB Cable Strain Relief
Power Supply Strain Relief
USB Cable
Cash Drawer Cable
Back of Printer
USB Cable
Power Supply Strain Relief
USB Cable Strain Relief

5 Run a diagnostic test (page 19).



6 Configure the printer if necessary (page 20).

***** A799 - Diagnostics Form *****

Model number	:	**A799-120D-TD00**
Serial number	:	**0000000000**
Boot Firmware		
Revision	:	**V3.02**
CRC	:	**7E22**
P/N	:	**189-7940489B**
Flash Firmware		
Revision	:	**V3.01**
CRC	:	**4448**
P/N	:	**189-7940490A**
H/W parameters		
Flash Memory Size	:	**4 Mbytes**
Flash Logos/Fonts	:	**1024 kbytes**
Flash User Storage	:	**960 kbytes**
Flash Perm'nt Fonts	:	**960 kbytes**
Flash Journal Size	:	**128 kbytes**
SRAM Size	:	**512 kbytes**
Head settting	:	**D**
Motor ID	:	**1**
Paper Type Setting	:	**Type 0, Monochrome**
Color Density Adj	:	**n/a**
Print Density, Mono	:	**100%**
Max Speed	:	**250 mm/sec**
Paper Width	:	**80 mm**
Max Power	:	**55 W**
Knife	:	**Enabled**
Partial Cut	:	**125 steps**
Paper Low Sensor	:	**Enabled**
No Paper Low Extension		
Comm. Interface		
RX Buffer Size	:	**4096**
Interface Type	:	**RS232/USB**
Parameters		
Baud Rate	:	**115200**
Data Bits	:	**8**
Stop Bit	:	**1**
Parity	:	**NONE**
Flow Control	:	**DTR/DSR**
Reception Errors	:	**Ignore**
USB Driver Type	:	**Printer Class**
USB Packet w/Error	:	**Reject**

To enter Printer Config Menu :
1) Flip DIP switch #1 down
2) Reset the printer, while holding the Paper Feed button down

*********** MAIN MENU ************
****

Select a sub-menu :
- EXIT -> 1 click
- Print Current Configuration -> 2 clicks
- Set Communication Interface -> 3 clicks
- Set Diagnostics Modes -> 4 clicks
- Set Emulation/Software Options -> 5 clicks
- Set Hardware Options -> 6 clicks
- Set Paper Type -> 7 clicks
- **Set Firmware Features -> 8 clicks**

Enter code, then hold Button DOWN
at least 1 second to validate

Print Test and Configuration Menu Sample. Samples will vary depending on the printer model. The A799 is LogoEZ® compatible for ease of setting-up your logo and two-color design needs.

When the printer is configured for USB, this location will show either: "USB Driver Type: Native", "USB Driver Type: Printer Class", or "USB Driver: Comm Class".

DECLARATION OF CONFORMITY

Type of Equipment: Information Technology Equipment – Printer
Model: A798-XXXX-XXXX
Model: A799-XXXX-XXXX (X = any alphanumeric character)
Applicable EU Directives:
2004/108/EC (electromagnetic compatibility directive)
2006/95/EC (low voltage directive for product safety)
Harmonized Standards:
EN 55024 (1998/A1:2001/A2:2003) Information Technology Equipment Immunity Characteristics
EN 55022 (2006/A1:2007) EMC, Class B, Limits and Methods of Measurement of Interference Characteristics of IT Equipment
IEC 60950-1 (2005) Second Edition - Product Safety Standard.
"CognitiveTPG, LLC., 950 Danby Road, Ithaca, New York, 14850, declares that the equipment specified above conforms to the referenced EU Directives and Harmonized Standards."

Date: November 28, 2012
Jeffrey C Phoenix, Regulatory Compliance Engineer, CognitiveTPG, LLC Ref #: 189-1300058 Rev F